What is claimed is:

- 1. An anti-aliasing filter comprising:
  - a substrate;
- a first double-refraction plate ("DRP") of the antialiasing filter having at least
  - a first liquid photo-polymerization ("LPP") layer connected to the substrate, and
- a first liquid-crystal polymer ("LCP") layer

  10 disposed on the first LPP layer, the first DRP having a
  thickness selected so as to provide a selected separation of
  ordinary and extraordinary light rays.
- The anti-aliasing filter of claim 1 wherein the first
   LPP layer is disposed on the substrate.
  - 3. The anti-aliasing filter of claim 1 further comprising an intervening layer disposed between the substrate and the first LPP layer.

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- 4. The anti-aliasing filter of claim 1 further comprising a second LCP layer disposed on the first LCP layer.
- 5. The anti-aliasing filter of claim 4 wherein the first LPP layer has a selected orientation and the second LCP layer has the selected orientation.
  - 6. The anti-aliasing filter of claim 1 wherein the thickness is between about 10 microns and about 150 microns.

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- 7. The anti-aliasing filter of claim 1 further comprising: a first anti-reflective filter disposed on a first surface of the anti-aliasing filter; and
- a second anti-reflective filter disposed on a second surface of the anti-aliasing filter.

- 8. The anti-aliasing filter of claim 7 wherein the second anti-reflective filter is disposed on the first DRP.
- 5 9. The anti-aliasing filter of claim 7 wherein the second anti-reflective filter is disposed on a second substrate, the second substrate being affixed to the first DRP.
- 10. The anti-aliasing filter of claim 9 wherein the second substrate is affixed to the first DRP with optical adhesive so as to provide index matching between the first DRP and the second substrate.
- 11. The anti-aliasing filter of claim 1 further comprising:
  a retarder plate disposed on the first DRP; and
  a second DRP disposed on the retarder plate.
- 12. The anti-aliasing filter of claim 11 wherein the retarder plate and the second DRP are selected so as to provide a two-dimensional anti-aliasing filter for at least one color of light.
- 13. The anti-aliasing filter of claim 11 wherein the first DRP, the retarder plate and the second DRP are selected so as to provide a one-dimensional anti-aliasing filter for a first color of light and a two-dimensional anti-aliasing filter for a second color of light.
- 14. The anti-aliasing filter of claim 11 wherein the 30 retarder plate includes a plurality of quarter-wave retarder plates.

- 15. The anti-aliasing filter of claim 11 wherein the first DRP, the retarder plate, and the second DRP are all made from an LPP material and an LCP material.
- DRP is made from a first LPP material and a first LCP material, and the retarder plate is made of a second LPP material and one of the first LCP material and a second LCP material.

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- 17. The anti-aliasing filter of claim 11 wherein the substrate is infrared-blocking color glass.
- 18. The anti-aliasing filter of claim 17 further comprising15 an infrared-blocking filter.
  - 19. The anti-aliasing filter of claim 11 further comprising an infrared-blocking filter.
- 20 20. The anti-aliasing filter of claim 1 further comprising: a package; and
  - a photodetector array disposed within the package, the anti-aliasing filter being disposed on the package.